

**date** 08/05/2022

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### SERIES: TS15 | DESCRIPTION: TACTILE SWITCH

#### **FEATURES**

- IP66
- · crimped pins
- through hole







#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage		1		12	Vdc
rated current		0.01		50	mA
withstanding voltage	for 1 minute		250		Vac
contact resistance	ontact resistance applying load of 2 times operating force at 5 Vdc, 10 mA			100	mΩ
insulation resistance	nsulation resistance at 100 Vdc for 1 minute				МΩ
operating force	see force table				
actuator travel		0.35	0.45	0.55	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	rated load, 2 cycles/second, 1.5 times operating force 160 gf models 260 gf models		70,000 50,000		cycles cycles
vibration	10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				
IP level	IP66				

#### **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			260	°C

### **PART NUMBER KEY**

TS15 - 1212 - XX - BK - XXX - SCR - D

Base Number

Actuator Height:

50 = 5.0 mm 100 = 10.0 mm

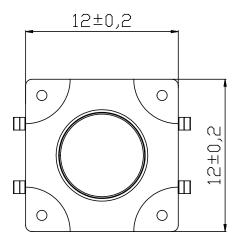
65 = 6.5 mm 110 = 11.0 mm

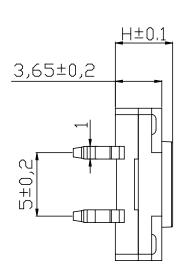
Push Force: 160 = 160 gf 260 = 260 gf

## **MECHANICAL DRAWING**

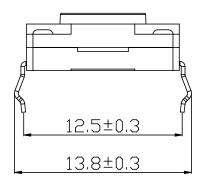
units: mm tolerance: ±0.2 mm unless otherwise noted

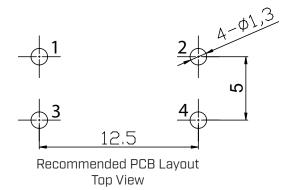
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	PPA (UL94HB)	black
3	contacts	SUS	silver
4	cover	PPA (UL94HB)	black
5	stem	PPA (UL94HB)	black
6	silicone pads	gel	black





ACTUATOR POSITION ( ): MOMENTARY				
NORMAL DOWN				
OFF	(ON)			
SCHEMATIC				
	2			
3	4			

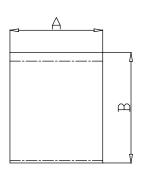


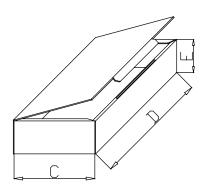


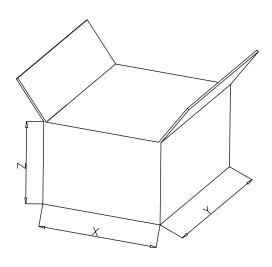
Operating Force Table					
Model	Press Force (gf)	Return Force (gf)			
160	160±70	>20			
260	260±100	>20			

# **PACKAGING**

			Packaging Table			
Actuator Height Models (mm)	Bag Size (AxB) (mm)	Bag QTY	Inner Box Size (CxDxE) (mm)	Inner Box QTY	Carton Size (XxYxZ) (mm)	Carton QTY
5.0~10.0	35 x 19 x29	500	166 x 185 x 55	500	370 x 425 x 31	10,000
11.0~12.5	35 x 19 x29	400	166 x 185 x 55	400	370 x 425 x 31	8,000
14.0~15.0	35 x 19 x29	300	166 x 185 x 55	300	370 x 425 x 31	6,000







#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	04/13/2022
1.01	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



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